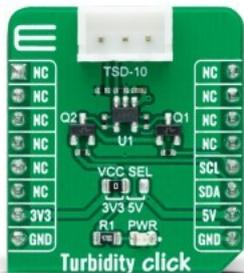# Turbidity Click

PID: MIKROE-4276

Turbidity Click is an adapter Click board™, used to interface a compatible turbidity sensor with the host MCU. This board features one 1x3 2.5mm connector suitable for connecting a TSD-10 Turbidity Sensor via an additional 3-wire cable for Turbidity Click specially made for this purpose. It allows users to upgrade their projects with a sensor that senses the cloudiness or haziness of a fluid caused by large numbers of individual particles invisible to the naked eye. This sensor also measures temperature as well as turbidity.

Turbidity Click is supported by a mikroSDK compliant library, which includes functions that simplify software development. This Click board™ comes as a fully tested product, ready to be used on a system equipped with the mikroBUS™ socket.

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Specifications

Type	Adapter,Environmental
Applications	Can be used to senses the cloudiness or haziness of a fluid caused by large numbers of individual particles invisible to the naked eye
On-board modules	Turbidity Click is adapter with socket for the TSD-10 Turbidity Sensor
Key Features	Low power consumption, high performance, allowing sensing of the cloudiness or haziness of a fluid, I2C configurable analog-to-digital converter, suitable for both mikroBUS™ power rails, and more
Interface	I2C
ClickID	No
Compatibility	mikroBUS
Click board size	S (28.6 x 25.4 mm)
Input Voltage	3.3V or 5V

Resources

mikroBUS™

mikroSDK

Click board™ Catalog

Click boards™

Downloads

MCP3221 datasheet

Turbidity click 2D and 3D files

Turbidity click schematic

Turbidity click example on Libstock

Mikroe produces entire development toolchains for all major microcontroller architectures.
Committed to excellency, we are dedicated to helping engineers bring the project development up to speed and achieve outstanding results.

ISO 27001: 2013 certification of informational security management system.
ISO 14001: 2015 certification of environmental management system.
OHSAS 18001: 2008 certification of occupational health and safety management system.

ISO 9001: 2015 certification of quality management system (QMS).